Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 8, 2025

B6(Cg)-*Cux2*$^{tm3.1(cre/ERT2)Mull}$/Mmmh

RRID:MMRRC_032779-MU
Type: Organism

Proper Citation

RRID:MMRRC_032779-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=32779

Proper Citation: RRID:MMRRC_032779-MU

Description: Mus musculus with name B6(Cg)-*Cux2*$^{tm3.1(cre/ERT2)Mull}$/Mmmh from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection: Neuroscience Blueprint

Affected Gene: creCux2

Catalog Number: 032779-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Alternate IDs: MMRRC_32779-MU, MMRRC_032779, MMRRC_32779

Organism Name: B6(Cg)-*Cux2*$^{tm3.1(cre/ERT2)Mull}$/Mmmh

Record Creation Time: 20230308T055130+0000

Record Last Update: 20240105T002902+0000

Ratings and Alerts

No rating or validation information has been found for B6(Cg)-*Cux2*$^{tm3.1(cre/ERT2)Mull}$/Mmmh.

No alerts have been found for B6(Cg)-*Cux2*$^{tm3.1(cre/ERT2)Mull}$/Mmmh.

Data and Source Information

Source: Integrated Animals

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Heindorf M, et al. (2024) Antipsychotic drugs selectively decorrelate long-range interactions in deep cortical layers. eLife, 12.

Wang Q, et al. (2023) Regional and cell-type-specific afferent and efferent projections of the mouse claustrum. Cell reports, 42(2), 112118.

Milicevic KD, et al. (2023) Imaging of Evoked Cortical Depolarizations Using Either ASAP2s, or chi-VSFP, or Di-4-Anepps, or Autofluorescence Optical Signals. Journal of integrative neuroscience, 22(6), 160.

Bounds HA, et al. (2023) All-optical recreation of naturalistic neural activity with a multifunctional transgenic reporter mouse. Cell reports, 42(8), 112909.

O'Rawe JF, et al. (2023) Excitation creates a distributed pattern of cortical suppression due to varied recurrent input. Neuron, 111(24), 4086.

Yuan W, et al. (2022) Temporally divergent regulatory mechanisms govern neuronal diversification and maturation in the mouse and marmoset neocortex. Nature neuroscience, 25(8), 1049.

Donaldson PD, et al. (2022) Polymer Skulls With Integrated Transparent Electrode Arrays for Cortex-Wide Opto-Electrophysiological Recordings. Advanced healthcare materials, 11(18), e2200626.

Bharioke A, et al. (2022) General anesthesia globally synchronizes activity selectively in layer 5 cortical pyramidal neurons. Neuron, 110(12), 2024.

Lee BR, et al. (2021) Scaled, high fidelity electrophysiological, morphological, and

transcriptomic cell characterization. eLife, 10.

Emanuel AJ, et al. (2021) Cortical responses to touch reflect subcortical integration of LTMR signals. Nature, 600(7890), 680.

Goldbach HC, et al. (2021) Performance in even a simple perceptual task depends on mouse secondary visual areas. eLife, 10.

Yao Z, et al. (2021) A taxonomy of transcriptomic cell types across the isocortex and hippocampal formation. Cell, 184(12), 3222.

Huang L, et al. (2021) Relationship between simultaneously recorded spiking activity and fluorescence signal in GCaMP6 transgenic mice. eLife, 10.

Graybuck LT, et al. (2021) Enhancer viruses for combinatorial cell-subclass-specific labeling. Neuron, 109(9), 1449.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 106(1), 37.

Millman DJ, et al. (2020) VIP interneurons in mouse primary visual cortex selectively enhance responses to weak but specific stimuli. eLife, 9.

Veldman MB, et al. (2020) Brainwide Genetic Sparse Cell Labeling to Illuminate the Morphology of Neurons and Glia with Cre-Dependent MORF Mice. Neuron, 108(1), 111.

Waters J, et al. (2019) Biological variation in the sizes, shapes and locations of visual cortical areas in the mouse. PloS one, 14(5), e0213924.

Gray LT, et al. (2017) Layer-specific chromatin accessibility landscapes reveal regulatory networks in adult mouse visual cortex. eLife, 6.

Steinmetz NA, et al. (2017) Aberrant Cortical Activity in Multiple GCaMP6-Expressing Transgenic Mouse Lines. eNeuro, 4(5).